SONY

4-108-812-**12**(1)

Wireless Stereo Headset

Operating Instructions
DR-BT160iK

Bluetooth

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WARNING

To reduce the risk of fire or electric shock, do not expose this apparatus to rain or moisture.

To reduce the risk of electrical shock, do not open the cabinet. Refer servicing to qualified personnel only.

Do not install the appliance in a confined space, such as a bookcase or built-in cabinet.

To reduce the risk of fire, do not cover the ventilation of the apparatus with newspapers, tablecloths, curtains, etc. And do not place lighted candles on the apparatus.

To reduce the risk of fire or electric shock, do not place objects filled with liquids, such as vases, on the apparatus.

Connect the AC power adaptor to an easily accessible AC outlet. Should you notice an abnormality in the AC power adaptor, disconnect it from the AC outlet immediately.

Do not expose the batteries (battery pack or batteries installed) to excessive heat such as sunshine, fire or the like for a long time.

Excessive sound pressure from headphones can cause hearing loss.

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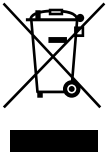
Notice for customers: the following information is only applicable to equipment sold in countries applying EU directives

The manufacturer of this product is Sony Corporation, 1-7-1 Konan, Minato-ku, Tokyo, Japan. The Authorized Representative for EMC and product safety is Sony Deutschland GmbH, Hedelfinger Strasse 61, 70327 Stuttgart, Germany. For any service or guarantee matters please refer to the addresses given in separate service or guarantee documents.

CE

Hereby, Sony Corp., declares that this equipment is in compliance with the essential requirements and other relevant provisions of Directive 1999/5/EC.
For details, please access the following URL :
http://www.compliance.sony.de/

Use of this radio equipment is not allowed in the geographical area within a radius of 20 km from the centre of Ny-Alesund, Svalbard in Norway.



Disposal of Old Electrical & Electronic Equipment (Applicable in the European Union and other European countries with separate collection systems)

This symbol on the product or on its packaging indicates that this product shall not be treated as household waste. Instead it shall be handed over to the applicable collection point for the recycling of electrical and electronic equipment. By ensuring this product is disposed of correctly, you will help prevent potential negative consequences for the environment and human health, which could otherwise be caused by inappropriate waste handling of this product. The recycling of materials will help to conserve natural resources. For more detailed information about recycling of this product, please contact your local Civic Office, your household waste disposal service or the shop where you purchased the product.

Disposal of waste batteries (applicable in the European Union and other European countries with separate collection systems)

This symbol on the battery or on the packaging indicates that the battery provided with this product shall not be treated as household waste.
By ensuring these batteries are disposed of correctly, you will help prevent potentially negative consequences for the environment and human health which could otherwise be caused by inappropriate waste handling of the battery. The recycling of the materials will help to conserve natural resources.
In case of products that for safety, performance or data integrity reasons require a permanent connection with an incorporated battery, this battery should be replaced by qualified service staff only.
To ensure that the battery will be treated properly, hand over the product at end-of-life to the applicable collection point for the recycling of electrical and electronic equipment.
For all other batteries, please view the section on how to remove the battery from the product safely. Hand the battery over to the applicable collection point for the recycling of waste batteries.
For more detailed information about recycling of this product or battery, please contact your local Civic Office, your household waste disposal service or the shop where you purchased the product.

Compatible iPod models

The compatible iPod models are as follows. Update your iPod to use the latest software before you use it.

iPod nano
3rd generation
(video)

iPod touch

iPod classic

iPod 5th
generation (video)

iPod nano 2nd
generation
(aluminum)

iPod nano
1st generation

iPod 4th
generation
(color display)

iPod 4th
generation

iPod mini

Notes

- This *Bluetooth* transmitter is designed for iPod only. You cannot connect any other portable audio players.
- Sony cannot accept responsibility in the event that data recorded to iPod is lost or damaged when using an iPod connected to this *Bluetooth* transmitter.

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What is *Bluetooth* wireless technology?

Bluetooth® wireless technology is a short-range wireless technology that enables wireless data communication between digital devices, such as a computer or digital camera. *Bluetooth* wireless technology operates within a range of about 10 meters (about 30 feet). Connecting two devices as necessary is common, but some devices can be connected to multiple devices at the same time.
You do not need to use a cable for connection, nor is it necessary for the devices to face one another, such is the case with infrared technology. For example, you can use such a device in a bag or pocket.
Bluetooth standard is an international standard supported by thousands of companies all over the world, and employed by various companies worldwide.

Communication System and Compatible *Bluetooth* Profiles of this product

Profile is standardization of the function for each *Bluetooth* device specification. This product supports the following *Bluetooth* version and profiles:

Communication System :
Bluetooth Specification version 2.0 + EDR*1

Compatible *Bluetooth* Profiles:
– A2DP (Advanced Audio Distribution Profile)
– AVRCP (Audio/Video Remote Control Profile)
(The following two profiles are headset only.)
– HSP (Headset Profile)*2: Talking on the phone/Operating the phone.
– HFP (Hands-free Profile)*2: Talking on the phone/Operating the phone by hands-free.

*1 Enhanced Data Rate

*2 When you use a *Bluetooth* mobile phone supported by both HFP (Hands-free Profile) and HSP (Headset Profile), set to HFP.

Notes

- To be able to use the *Bluetooth* function, the *Bluetooth* device to be connected requires the same profile as this product's.
  Note also that even if the same profile exists, devices may vary in function depending on their specifications.
- Due to the characteristic of *Bluetooth* wireless technology, the sound played on this product is slightly delayed from the sound played on the *Bluetooth* device during listening to the music or talking on the telephone.

Welcome!

This product is an audio kit comprising of a transmitter and headset using *Bluetooth* wireless technology.
You can enjoy music wirelessly by transmitting the audio signals to a headset by connecting the *Bluetooth* transmitter to iPod (see page 4 for compatible iPod models) with the iPod connector* (30 pin).

* iPod connector is a dedicated multiple connector for connecting accessories to your iPod.

This product's features are as follows:

- Wireless headset and transmitter for streaming of high-quality stereo music from iPod.
- Transmits music to headset using *Bluetooth* wireless technology.
- Headset and transmitter have been pre-paired for easy connection and use.
- Ultra secure, lightweight and balanced fit with dual support mechanism and adjustable earpiece shaft for active use (for headset only).
- Soft and flexible contoured design for comfortable over-the-ear fit (for headset only).
- Splash proof (for headset only).
- Basic remote control operation (play, pause, etc.) of iPod functions by included headset via *Bluetooth* connection.
- Transmitter power supplied from iPod so no additional battery or charging is needed (for transmitter only).
- *Bluetooth* version 2.0 + EDR*1 for higher quality audio with less interference and lower power consumption.
- You can enjoy listening to music wirelessly by using the transmitter and the headset separately to be used together with other *Bluetooth* devices*2.

*1 Enhanced Data Rate

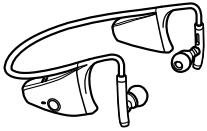
*2 The connected *Bluetooth* device is required to support A2DP (Advanced Audio Distribution Profile).

Tip

For details on *Bluetooth* wireless technology, see page 6.

Checking supplied items

- *Bluetooth* headset DR-BT160AS (1)

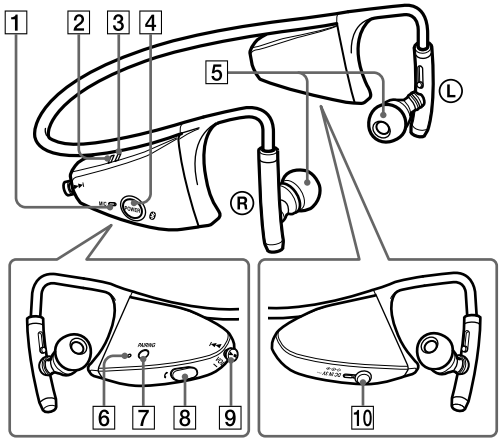


- *Bluetooth* transmitter TMR-BT8iP (1)

- AC power adaptor (1)
- Operating Instructions (this book) (1)
- Warranty Card (1)

Location and Function of Parts

Bluetooth headset



1 **Microphone**

2 **Indicator (red)**
Indicates the power status of the headset.

3 **Indicator (blue)**
Indicates the communication status of the headset.

4 **POWER button**

5 **Earpiece**

6 **RESET button**
Push this button when the headset does not operate properly. Pairing information is not deleted by this operation.

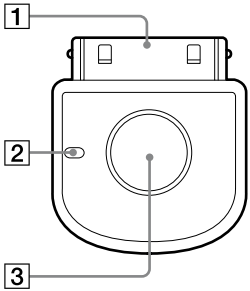
7 **PAIRING button**

8 **Multi function button**
Controls various call functions.

9 **Jog switch**
Controls various functions when listening to music. Adjust the volume of the headset when talking over the telephone.

10 **DC IN 3 V jack**

Bluetooth transmitter



1 iPod connector (30 pin)
Connects to the dock connector of an iPod (page 16).

2 Transmitter indicator
Indicates the transmitter's status (page 23).

3 Power button
Performs the following:
- Turning on/off of the transmitter (page 16).
- Pairing (page 21).
- Initializing the transmitter (page 38).

Hereafter, "*Bluetooth* headset" is abbreviated as "headset," and "*Bluetooth* transmitter" as "transmitter."

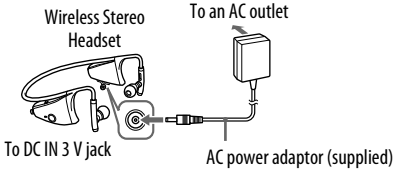
Basic use of headset

Charging the headset

The headset contains a rechargeable Lithium-Ion battery, which should be charged before using for the first time.

1 Remove the cover attached to the DC IN 3 V jack on the headset.

2 Connect the supplied AC power adaptor to the DC IN 3 V jack on the headset.

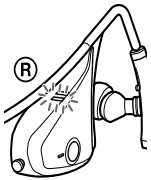


When the AC power adaptor is connected to an AC outlet, charging starts.

Tips

- If the AC power adaptor is connected to an AC outlet while the headset is turned on, the headset will be turned off automatically.
- The headset cannot be turned on while charging.

3 Make sure that headset indicator (red) lights up while charging.



Charging is completed in about 2.5 hours* and the headset indicator (red) goes off automatically.

* Time required for empty battery to recharge.

Continued

Notes

- If this unit is not used for a long time, the headset indicator (red) may not light up when you connect the AC power adaptor to charge this unit. In this case, do not disconnect the AC power adaptor from the unit and wait until the headset indicator (red) lights up.
- To close the cover of the DC IN 3 V jack after completion of charging, push in the cover securely until it is pressed against the jack.

Caution

If the headset detects a problem while charging, the headset indicator (red) may turn off, although charging is not complete.
Check for the following causes:

– Ambient temperature exceeds the range of 0 °C – 45 °C (32 °F – 113 °F).
– There is a problem with the battery.

In this case, charge again within the above-mentioned temperature range.
If the problem persists, consult your nearest Sony dealer.

Notes

- If the battery is not used for a long time, battery may be quickly depleted, however, after a few recharges, battery life will improve.
- If the life of the built-in rechargeable battery drops to half the normal length, the battery should be replaced. Consult your nearest Sony dealer for replacement of the rechargeable battery.
- Avoid exposure to temperature extremes, direct sunlight, moisture, sand, dust or mechanical shock. Never leave in a car parked in the sun.
- Use only the supplied AC power adaptor. Do not use any other AC power adaptor.

Battery usage hours*

Status	Approx. usage hours
Communication time (including music playback time) (up to)	7 hours
Standby time (up to)	100 hours

* Time stated above may vary, depending on ambient temperature or conditions of use.

Checking the remaining battery

When pressing the POWER button while the headset is turned on, the headset indicator (red) flashes. You can check the remaining battery by the number of times the headset indicator (red) flashes.

Headset Indicator (red)	Status
3 times	Full
2 times	Mid
1 time	Low (needs to charge)

Note

You cannot check the remaining battery immediately after the headset is turned on, or while pairing.

When the battery is almost empty

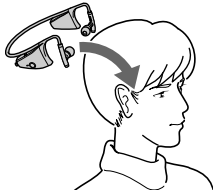
The headset indicator (red) flashes slowly automatically.
When the battery becomes empty, a beep sounds and the headset will turn off automatically.

Continued

Wearing

1 Place the hangers on both ears.

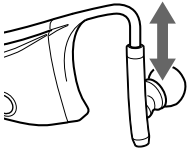
The headset with the POWER button is for the right ear.



2 Adjust the neckband and the earpiece angle for a comfortable fit.

Adjust the length of the adjustable earpiece shaft.

Adjust the angle of the adjustable earpiece shaft so that the earpieces fit comfortably in your ears.

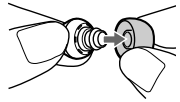


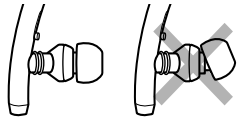
How to install the earbuds correctly

If the earbuds do not fit your ears correctly, low-bass sound may not be heard. To enjoy better sound quality, change the earbuds to another size, or adjust the earbuds position to sit on your ears comfortably and fit your ears snugly.

The M size earbuds are attached to the headphones before shipment. If you feel the M size earbuds do not suit your ears, replace them with the supplied S or L size earbuds.

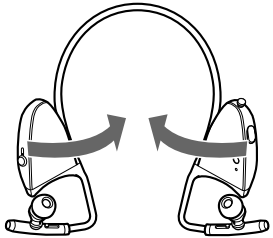
When you change the earbuds, install them firmly on the headphones to prevent the earbuds from detaching and remaining in your ear. Rotate the earpieces to ensure a secure fit.





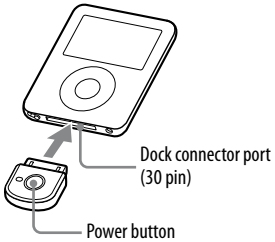
If the hanger is open,

If the headset is left unused for a long time, the hanger may be open as shown in the figure below. In this case, twist the hanger in the arrow direction to restore its original shape before use.



Connecting to an iPod

Connect the transmitter to the dock connector port of an iPod (see page 4 for compatible iPod models) firmly.



To turn on the transmitter

1 Connect the transmitter to the iPod.

2 Press the power button of the transmitter for about 1 second to turn it on, or start to play back on iPod.

When the transmitter turns on, the indicator flashes twice.

Note

If the transmitter cannot turn on, operate the iPod.

To turn off the transmitter

To turn off the transmitter, press and hold the transmitter's power button for about 1 second. The transmitter indicator flashes once and the transmitter turns off.

Tip

Maximum communication time or standby time may vary depending on your iPod.

Notes

- To listen to music from the headphone jack of the iPod, disconnect the transmitter from the iPod.
- While the transmitter is turned on, it consumes power from the iPod. We recommend disconnect the transmitter from iPod when not using the *Bluetooth* function.
- If the headphone is connected to the iPod while the iPod is playing back, it consumes power from iPod.
- If you turn off the transmitter while the iPod is playing back, iPod will power off.
- It is not recommended to turn off iPod as the linkage will lost between the transmitter and the *Bluetooth* receiving device.
- There is no need to charge the transmitter as it will receive power from the connected iPod. It is recommended to check the iPod's remaining battery before using.

Listening to music of the iPod

You can listen to music of the iPod (see page 4 for compatible iPod models) on the headset.

1 Press and hold the POWER button on the headset for about 2 seconds.

The headset indicator (blue) and headset indicator (red) flash together twice and the headset is turned on.

2 Connect the transmitter to the iPod then turn on the iPod and start playback on the iPod.

The transmitter indicator status will vary as follows, and the *Bluetooth* connection between the transmitter and the headset is established.

Transmitter indicator flashes twice: Power is on

↓

Transmitter indicator flashes (at about 1-second intervals): Connecting in process

↓

Transmitter indicator flashes twice slowly (at about 5-second intervals): Connected (Playback will start automatically)

If the *Bluetooth* connection is not established within 5 minutes*, the transmitter automatically turns itself off. In this case, turn it on again by pressing and holding the power button on the transmitter for about 1 second.

* iPod backlight may turn on in this 5 minutes.

Notes

- If the *Bluetooth* connection cannot be established with the headset paired already, try pairing again (page 27).
- If playback cannot start automatically, try start playback on iPod.
- If you press and hold the power button on the transmitter for about 1 second, the transmitter will connect to the iPod and start playback automatically.
- Even if you control the volume on the iPod, sound from the headset will not change.

- If the transmitter and the headset become out of range and the *Bluetooth* connection terminates, repeat the procedure from step **1**.
- Playback through a *Bluetooth* connection may cause noise, sound break, or playback speed change depending on the location and the usage (page 33).

Tip

You can control the volume on the headset. (The volume of the iPod is not changed.) You can also fast-forward or fast-rewind while playing back (page 20).

Controlling an iPod with the headset

You can control an iPod (see page 4 for compatible iPod models) using the control button of the headset.

Before starting remote control operation, check that step 1 and 2 of "Listening to music of the iPod" are completed (page 18).

Control for the iPod

You can playback or pause the iPod by pressing the ►■ button on the headset.

You can turn off the iPod and transmitter by pressing and holding the ►■ button on the headset for more than 2 seconds.

Control music

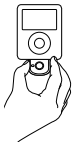
You can skip forward or backward each song on the iPod by pressing the I◄◄ /►►I button. You can also fast-forward or fast-rewind songs by holding down the I◄◄ /►►I button.

Notes

- Even if you control the volume on the iPod, the volume of the headset does not change.
- When operating the iPod by remote control, do not cover the transmitter with your hands, etc.
- You may need to press the play/pause button twice depending on the *Bluetooth* receiving device.
- You may need to press the play/pause button of the *Bluetooth* receiving device twice when you operate the button on the iPod.
- Operation of the iPod with the transmitter by the *Bluetooth* receiving device will vary depending on the *Bluetooth* receiving device's specification.
- When the iPod is playing a video or photo, remote control operation may become unstable.

Tip

When you press the pause button on the *Bluetooth* receiving device, the iPod goes to pause mode for 10 minutes and the iPod backlight is turns on and off at interval.



Do not cover the transmitter with hands.

Pairing with other *Bluetooth* devices

What is pairing?

Bluetooth devices need to be "paired" with each other beforehand. Once *Bluetooth* devices are paired, there is no need for pairing again, except in the following cases:

- Pairing information is deleted after repair, etc.
- This product is paired with 9 or more receiving devices.
  This product can be paired with up to 8 *Bluetooth* device respectively. If a new device is paired after 8 devices have been paired, the device whose latest connection time is the oldest among the 8 paired devices is replaced by the new one.
- This product is initialized.
  All pairing information is deleted (page 38).

Pairing transmitter with other *Bluetooth* receiving devices

1 **Turn on the power of iPod.**
(Make sure the iPod is in pause mode.)

2 **Connect the transmitter to the iPod (page 16).**

3 **Place the transmitter and the *Bluetooth* receiving device to be paired together within 1 m (3 ft).**

4 **Set the *Bluetooth* receiving device to enter "Pairing in process."**
See the operating instructions supplied with the *Bluetooth* receiving device.

Notes

- Passcode* of the transmitter is fixed at "0000," "1234," or "8888." Depending on the *Bluetooth* receiving device, it may be necessary to input the passcode (in this case, "0000," "1234," or "8888"). The transmitter cannot be paired with a *Bluetooth* receiving device whose passcode is not "0000," "1234," or "8888."
- If the *Bluetooth* receiving device requires a passcode, input "0000."

* Passcode may be called "Passkey," "PIN code," "PIN number," or "Password."

Continued

5 Press and hold the power button of the transmitter for about 7 seconds or more to enter "Pairing in process."

After about 1 second, the transmitter indicator will flash twice, but keep pressing the power button.

Notes

- When first power on the transmitter after initialized, the transmitter will enter "Pairing in process" automatically.
- The pairing information is initialized if you press and hold the power button for 15 seconds. The transmitter indicator lights up for 5 seconds before the initialization starts. Release the button immediately when the transmitter indicator lights up.

When the transmitter indicator flashes quickly, stop pressing. The transmitter enters "Pairing in process."
The transmitter indicator status will vary as follows, and pairing is established with the *Bluetooth* receiving device.

The transmitter indicator flashes quickly: Pairing in process

↓

The transmitter indicator flashes (at about 1-second intervals) when responding to the *Bluetooth* receiving device: Connectable (Pairing successful)

↓

The transmitter indicator flashes (at about 5-second intervals): Connected

Notes

- "Pairing in process" of the transmitter is released after about 5 minutes. If pairing is not established within about 5 minutes, repeat the above procedure from step **4**. iPod backlight may turn on in this 5 minutes.
- To enter "Pairing in process," you need to turn off the power of the transmitter first.

When not completed pairing

Repeat the procedure from step **2**.

To quit "Pairing in process"

Press and hold the power button of the transmitter for about 1 second to turn off the transmitter.

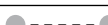
Tip

When pairing the transmitter with a number of *Bluetooth* receiving devices, repeat steps **3** to **5** for each device individually.

Note

For using the *Bluetooth* function, it is required that the *Bluetooth* device on the other side is corresponding with the same profile as the transmitter. However, even if it is corresponding with the same profile, functions may differ depending on the specification of the *Bluetooth* device.

On Transmitter Indicators

Status		Indicator
Power on	Flashes twice	
Power off	Flashes once	
Pairing	Flashes quickly	...
Connecting	Flashes (at about 1-second intervals)	⋯
Connected	Listening *1 (flashes twice at about 5-second intervals)	⋯
	With no music *2 (flashes once at about 5-second intervals)	 ⋯

Continued

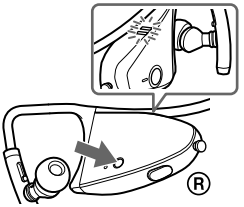
*1 When press ▶II on the iPod, the music pause. The indicator flashes twice on the transmitter. The transmitter transmit the data of no sound.

*2 When press the pause button on the *Bluetooth* receiving device, the music pause. The indicator flashes once on the transmitter. The transmitter does not transmit the music.

Pairing headset with other *Bluetooth* transmitting devices

1 Place the *Bluetooth* transmitting device to be paired together within 1 m (3 ft) of the headset.

2 Press and hold the PAIRING button of the headset for about 2 seconds or more to enter "Pairing in process" while the headset is turned off.



Release the PAIRING button when the headset indicator starts flashing quickly. The headset enters the pairing process.

3 Turning *Bluetooth* transmitting device to pairing standby mode.

See the operating instructions supplied with the *Bluetooth* transmitting device.
The list of detected devices appears on the display of the *Bluetooth* transmitting device.
The headset is displayed as "DR-BT160AS."
This headset indicator status will vary as follows, and pairing is established with the *Bluetooth* transmitting device.

The headset indicator flashes quickly: Pairing in process

↓

The headset indicator flashes (at about 1-second intervals) when responding to the *Bluetooth* transmitting device: Connectable (Pairing successful)

↓

The headset indicator flashes (at about 5-second intervals): Connected

Note

Passcode* of the headset is fixed at "0000." Depending on the *Bluetooth* receiving device, it may be necessary to input the passcode (in this case, "0000"). The headset cannot be paired with a *Bluetooth* receiving device whose passcode is not "0000."

* Passcode may be called "Passkey," "PIN code," "PIN number," or "Password."

When not completed pairing

Repeat the procedure from step **2**.

To quit "Pairing in process"

Press and hold the POWER button of the headset for about 3 seconds to turn off the headset.

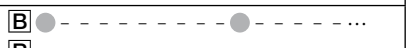
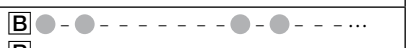
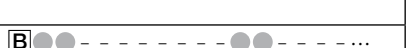
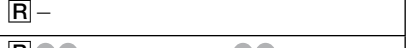
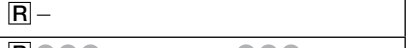
Note

For using the *Bluetooth* function, it is required that the *Bluetooth* device on the other side is corresponding with the same profile as the headset. However, even if it is corresponding with the same profile, the function may differ depending on the specification of the *Bluetooth* device.

Continued

On Headset Indicators

B : Headset indicator (blue)
R : Headset indicator (red)

Status		Indicator
Pairing	Searching	
Connecting	Connectable	
	Connecting	
Connected	HFP/HSP or A2DP (Standby for receiving audio signal)	
	HFP/HSP and A2DP (Standby for receiving audio signal)	
Music	Listening	
	Listening during standby for telephone call	
Phone	Incoming call	
	Talking	
	Calling while playing back music	

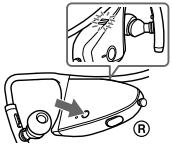
Re-pairing the transmitter and the headset

1 Turn on the power of iPod.
(Make sure the iPod is in pause mode.)

2 Connect the transmitter to the iPod (page 16).

3 Place the transmitter and the headset to be paired together within 1 m (3 ft).

4 Press and hold the PAIRING button of the headset for about 2 seconds or more to enter "Pairing in process" while the headset is turned off.
The headset indicator (red) and the headset indicator (blue) will flash together and the headset enters into pairing mode.



5 Press and hold the power button of the transmitter for about 7 seconds or more to enter "Pairing in process."
After about 1 second, the transmitter indicator will flash twice, but keep pressing the power button.

Notes

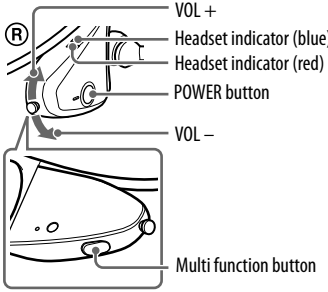
- When first power on the transmitter after initialized, the transmitter will enter "Pairing in process" automatically.
- The pairing information is initialized if you press and hold the power button for 15 seconds. The transmitter indicator lights up for 5 seconds before the initialization starts. Release the button immediately when the transmitter indicator lights up.
- "Pairing in process" is released after about 5 minutes. If pairing is not established within about 5 minutes, repeat the above procedure from step **4**. iPod backlight may turn on in this 5 minutes.
- To enter "Pairing in process," you need to turn off the power of the transmitter first.

Calling with headset

Preparation for calling (*Bluetooth* connection)

Check the following before operating the headset.

- **The *Bluetooth* function is active on the mobile phone.**
- **Pairing of the headset and the *Bluetooth* mobile phone is complete.**



1 Press and hold the POWER button for about 3 seconds while the headset is turned off.

The headset indicator (blue) and headset indicator (red) flash together twice, the headset turns on and then the headset tries to connect to the last *Bluetooth* mobile phone that was used.

Tip

The headset will stop trying to connect to the *Bluetooth* mobile phone after 1 minute. In such a case, press the multi function button to try to connect again.

When the headset does not connect to a *Bluetooth* mobile phone automatically

You can make a connection by operating *Bluetooth* mobile phone or by operating the headset to connect the last connected *Bluetooth* device.

A To make a connection by operating *Bluetooth* mobile phone

1 Make the *Bluetooth* connection (HFP or HSP*) from the *Bluetooth* mobile phone to the headset.

Refer to the manual supplied with your *Bluetooth* mobile phone for operation details.
The list of recognized devices appears on the display of the *Bluetooth* mobile phone. The headset is displayed as "DR-BT160AS."
When you use the *Bluetooth* mobile phone features both HFP (Hands-free Profile) and HSP (Headset Profile), set to HFP.

Note

When connecting to a *Bluetooth* mobile phone which is different from the last connected one, make the connection following the above procedure.

* For details on profiles, see page 6.

B To make a connection with the last connected *Bluetooth* device by operating the headset.

1 Press the multi function button.

The headset indicator (blue) and headset indicator (red) start flashing at the same time, and the headset performs the connection operation for about 5 seconds.

Note

When listening to music with this headset, a *Bluetooth* connection cannot be made with the multi function button.

To adjust the volume

Press the VOL + or – button.

Tips

- You cannot adjust the volume when not communicating.
- Volume level for calling and listening to music can be set independently. Even if you change the volume while playing back the music, the volume of a call does not change.

Continued

To receive a call

When an incoming call arrives, a ring tone will be heard from the headset.

1 Press the multi function button on the headset.

The ring tone differs in the following ways, depending on your mobile phone.

– ring tone set on the headset
– ring tone set on the mobile phone
– ring tone set on the mobile phone only for *Bluetooth* connection

Note

If you received a call by pressing the button on the *Bluetooth* mobile phone, some *Bluetooth* mobile phones may have handset use priority. In this case, set to talk with the headset by pressing and holding the multi function button for about 2 seconds, or by operating the *Bluetooth* mobile phone. For details, refer to the manual supplied with your *Bluetooth* mobile phone.

To call

1 Use the buttons on your mobile phone when making a call.

If no dial tone is heard on the headset, press and hold the multi function button for about 2 seconds.

Tip

You can call in the following way, depending on the *Bluetooth* mobile phone. Refer to the manual supplied with your mobile phone on operating details.

– When not communicating, you can call using the voice-dial function by pressing the multi function button.
– You can call the last dialled number by pressing the multi function button for about 2 seconds.

To terminate a call

You can end a call by pressing the multi function button on the headset.

Controlling the *Bluetooth* mobile phone – HFP, HSP

The operation of the buttons on the headset varies depending on your mobile phone.
HFP (Hands-free Profile) or HSP (Headset Profile) is used for *Bluetooth* mobile phone. Refer to the operating instructions supplied with your *Bluetooth* mobile phone on supported *Bluetooth* profiles or how to operate.

HFP (Hands-free Profile)

***Bluetooth* mobile phone Status**	**Multi function button**	
	Short Press	Long Press
Standby	Start Voice Dial*1	Last number redial
Voice Dial active	Cancel Voice Dial*1	—
Outgoing call	End outgoing call	Change call device
Incoming call	Answer	Reject
During call	End call	Change call device

HSP (Headset Profile)

***Bluetooth* mobile phone Status**	**Multi function button**	
	Short Press	Long Press
Standby	—	Dial*1
Outgoing call	End outgoing call*1	End outgoing call or change call device to headset*2
Incoming call	Answer	—
During call	End call*3	Change call device to headset

*1 Some functions may not be supported depending on the *Bluetooth* mobile phone. Refer to the operating instructions supplied with your mobile phone.

*2 This may vary, depending on the *Bluetooth* mobile phone.

*3 Some functions may not be supported when calling using the *Bluetooth* mobile phone.

Calling while playing back music

The *Bluetooth* connection using HFP or HSP as well as A2DP is necessary to make a call while playing back music.
For example, to make a call using a *Bluetooth* mobile phone while listening to music on a *Bluetooth* compatible music player, the headset needs to be connected to the mobile phone using HFP or HSP.

Make a *Bluetooth* connection between the headset and the device in use following the procedures outlined below.

1. **Make a *Bluetooth* connection between the headset and the mobile phone in use with HFP or HSP following the procedures outlined in "Calling with headset" (page 28).**
2. **Make a *Bluetooth* connection between the transmitter and the headset (page 18).**

To make a call while playing back music

1. **Press the multi function button while playing back music (page 31), or operate your *Bluetooth* mobile phone to make a telephone call.**

   If no dial tone is heard on the headset, press and hold the multi function button for about 2 seconds.

To receive a call while playing back music

When an incoming call arrives, the music pauses and the ring tone is heard from the headset.

1. **Press the multi function button and talk.**

   After finishing the call, press the multi function button. The headset is switched back to music playback.

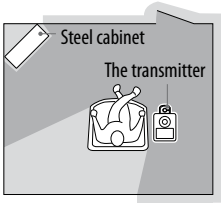
When no ring tone is heard even if an incoming call arrives

1. **Stop music playback.**
2. **When ringing, press the multi function button and talk.**

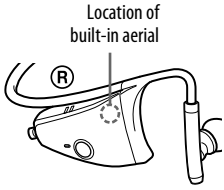
Precautions

On *Bluetooth* communication

- *Bluetooth* wireless technology operates within a range of about 10 meters (about 30 feet).
  Maximum communication range may vary depending on obstacles (human body, metal, wall, etc.) or electromagnetic environment.



- The aerial of the headset is built into the right housing as illustrated in the dotted line.



The aerial of the transmitter is shown as illustrated in the dotted line.

The sensitivity of the *Bluetooth* communication will improve by turning the direction of the built-in aerial to the connected *Bluetooth* device.
The communication distance shortens when the obstacles are between the aerial of the connected device and this product.

- The following conditions may cause noise, sound break or playback speed change.
  - When using inside the metal bag.
  - When using inside the backpack or shoulder bag.
  - A device using 2.4 GHz frequency, such as a wireless LAN device, cordless telephone, or microwave oven, is in use near this product.
- Because *Bluetooth* devices and wireless LAN (IEEE802.11 b/g) use the same frequency, microwave interference may occur and resulting in communication speed deterioration, noise, or invalid connection if this product is used near a wireless LAN device. In such a case, perform the following.
  - Install this product and *Bluetooth* device as near to each other as possible.
  - If this product is used within about 10 meters (about 30 feet) of a wireless LAN device, turn off the wireless LAN device.

Continued

- Microwaves emitting from a *Bluetooth* device may affect the operation of electronic medical devices. Turn off this unit and other *Bluetooth* devices in the following locations, as it may cause an accident.
  - where inflammable gas is present, in a hospital, train, airplane, or a petrol station
  - near automatic doors or a fire alarm
- This unit supports security capabilities that comply with the *Bluetooth* standard to provide a secure connection when the *Bluetooth* wireless technology is used, but security may not be enough depending on the setting. Be careful when communicating using *Bluetooth* wireless technology.
- We do not take any responsibility for leakage of information during *Bluetooth* communication.
- Connection with all *Bluetooth* devices cannot be guaranteed.
  - A device featuring *Bluetooth* function is required to conform to the *Bluetooth* standard specified by *Bluetooth* Sig, Inc. and be authenticated.
  - Even if the connected device conforms to the above mentioned *Bluetooth* standard, some devices may not be connected or work correctly, depending on the features or specifications of the device.
- Depending on the device to be connected, communication may take some time.

On safety

- Do not drop, hit, or otherwise expose the product to strong shock of any kind. This could damage the product.
- Do not disassemble or attempt to open any parts of the product.

On placement

- Do not place the product in any of the following locations.
  - Direct sunlight, near a heater, or other extremely high-temperature location
  - Dusty location
  - An unsteady or inclined surface
  - Location exposed to large amounts of vibration
  - Bathroom or other high-humidity location
  - In a car subject to the direct rays of the sun

Note on using in a car

Do not attempt to connect this product, or to operate this product, an audio output device or a car radio while driving or waiting at a traffic signal.

Cleaning

Clean the product with a soft, dry cloth, or a soft cloth lightly moistened with a mild detergent solution. Do not use any type of solvent, such as alcohol or benzene, which may damage the finish.

On splash proof structure

The headset has splash proof structure which prevents the function of the headset from being affected by splash of water (except for earpiece and AC power adaptor). However, the headset cannot be used in water. Take the following precautions.

- Do not put the headset in water or use it in a place with high humidity such as bathroom.
- In the event water is spilled on the earpiece, wipe off the water with a dry cloth, etc. to dry the earpiece before using the headset.

On the supplied AC power adaptor

- Use the AC power adaptor supplied with this product. Do not use any other AC power adaptor since it may cause the headset to malfunction.

Polarity of the plug

- If you are not going to use the AC power adaptor for a long time, unplug it from the AC outlet. To remove the AC power adaptor from the wall outlet, grasp the adaptor plug itself; never pull the cord.

Note on static electricity

In particularly dry air conditions, mild tingling may be felt on your ears. This is a result of static electricity accumulated in the body, and not a malfunction of the headphones.
The effect can be minimized by wearing clothes made from natural materials.

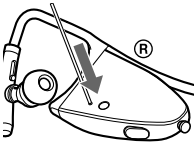
Others

- Be careful not to pinch your fingers when folding the headset.
- Using the *Bluetooth* device may not function on mobile phones, depending on radio wave conditions and location where the equipment is being used.
- If you experience discomfort after using the *Bluetooth* device, stop using the *Bluetooth* device immediately. Should any problem persist, consult your nearest Sony dealer.
- Listening with this product at high volume may affect your hearing. For traffic safety, do not use this product while driving or cycling.
- Do not put weight or pressure on this product as it may cause the product to deform during long storage.
- The ear pads are consumable. They may deteriorate due to long-term storage or use. Replace with new ones if they are damaged.
- If you have any questions or problems concerning this product that are not covered in this manual, please consult your nearest Sony dealer.

Troubleshooting

If you run into any problems using this product, use the following checklist and read the product support information on our website. Should any problem persist, consult your nearest Sony dealer.

Symptom	Cause / Remedy
The transmitter is not turned on. (Or turns off shortly after turning on.)	→ Press and hold the transmitter's power button for about 1 second. → Check the remaining battery of the iPod. If the remaining battery is not enough, charge the iPod. → Reset your iPod. → If your iPod have no content, add some content to your iPod.
The headset is not turned on.	→ Charge the battery of the headset. → The headset is not turned on while charging. Unplug the headset from AC power adaptor and then turn on the headset.
No sound	→ Check the connection between the transmitter and the iPod. → Check that both the transmitter and the headset are turned on. → Ensure that the transmitter is not too far from the headset, or this product is not receiving interference from a wireless LAN, other 2.4 GHz wireless device, or microwave oven. → Pair the transmitter and the headset again (page 27). → Check that music is being played back by the iPod. → Check that the volume of the headset is not set too low.
Low sound level	→ Turn up the volume of the headset as high as possible to the extent that sound is not distorted.
Cannot change the volume.	→ Change the volume on the headset.
Distorted sound	→ Turn down the volume of the headset to the point where the sound is no longer distorted. → Ensure that this product is not receiving interference from a wireless LAN, other 2.4 GHz wireless device, or microwave oven. → Turn off the EQ of iPod.

Symptom	Cause / Remedy
Sound break, noise or playback speed change.	➔ If a device that generates electromagnetic radiation, such as a wireless LAN, other *Bluetooth* device(s), or a microwave oven is nearby, move away from such sources. ➔ Remove any obstacle between the transmitter and the headset or move away from the obstacle. ➔ Locate the transmitter and the headset as near as possible. ➔ Re-position or re-orient the transmitter and the headset.
The headset does not operate properly.	➔ Reset the headset. Pairing information is not deleted by this operation. Insert a small pin, etc., into the hole, and push until you feel a click. 
Pairing cannot be established.	➔ Locate the transmitter and the headset as near as possible. ➔ Check if you input correct passcode of the transmitter (page 21). ➔ Check if you input correct passcode of the headset (page 25).
Bluetooth connection cannot be established with a device that has been "paired" before.	➔ Locate the transmitter and other *Bluetooth* device(s) as near as possible. ➔ Pairing information may be deleted. Pair the device again.
Cannot make the *Bluetooth* connection.	➔ Check that this product is turned on. ➔ The *Bluetooth* connection is terminated. Make the *Bluetooth* connection again.
Cannot make the *Bluetooth* connection from your mobile phone to the headset.	➔ Press the multi function button of the headset. (The *Bluetooth* connection is unavailable during music playback on the headset.) ➔ Perform the *Bluetooth* connection with the *Bluetooth* compatible mobile phone. (For details on how to operate the *Bluetooth* compatible mobile phone, see the operating instructions supplied with it.)

Initializing

Initializing the transmitter

You can reset the transmitter to its default and delete all pairing information.

1 Connect the transmitter to the iPod.

2 Press and hold the power button for more than about 15 seconds.

During these 15 seconds, the transmitter indicator changes in sequence as follows:

– flash (at about 1 second intervals) for about 5 seconds
– flash quickly for about 5 seconds
– lights up for about 5 seconds
– flash 4 times

Then, the transmitter is reset to default setting and all pairing information is deleted.

Note

Do not operate your iPod while initializing the transmitter.

Initializing the headset

You can reset the headset to its default (such as volume setting) and delete all pairing information.

1 If the headset is turned on, press and hold the POWER button for about 3 seconds to turn off the headset.

2 Press and hold the POWER button and multi function button together for about 7 seconds.

The headset indicator (blue) and the headset indicator (red) flash together four times, and the headset is reset to the default setting. All pairing information is deleted.

Specifications

General

Output
Bluetooth Specification Power Class 2

Maximum communication range
Line of sight approx. 10 m (30 ft)*1

Frequency band
2.4 GHz band (2.4000 GHz – 2.4835 GHz)

Modulation method
FHSS

Transmission range (A2DP)
20 - 20,000 Hz (Sampling frequency 44.1 kHz)

Transmitter

Communication System
Bluetooth Specification Version 2.0 + EDR*2

Compatible *Bluetooth* Profiles*3
A2DP (Advanced Audio Distribution Profile)
AVRCP (Audio/Video Remote Control Profile)

Supported Codec*4
SBC*5

Terminal
iPod connector (30 pin)

Operating temperature
0 °C to 35 °C (32 °F to 95 °F)

Dimensions
Approx. 31 × 28 × 8 mm ($1^{1}/_{4} \times 1^{1}/_{8} \times {}^{11}/_{32}$ in) (w/h/d) (including protruding parts)

Mass
Approx. 5 g (0.2 oz)

Headset

Communication System
Bluetooth Specification version 2.0 + EDR*2

Compatible *Bluetooth* Profiles*3
A2DP (Advanced Audio Distribution Profile)
AVRCP (Audio/Video Remote Control Profile)
HSP (Headset Profile)
HFP (Hands-free Profile)

Supported Codecs*4
SBC*5, MP3

Supported content protection method
SCMS-T

Power source
DC 3.7 V: Built-in lithium-ion rechargeable battery

Mass
Approx. 40 g (1.4 oz)

Rated power consumption
1.5 W

Receiver

Type
Closed type, dynamic

Driver unit
9 mm dome type

Reproduction frequency range
6 – 23,000 Hz

Microphone

Type
Omni directional, electret condenser

Effective frequency range
100 – 4,000 Hz

Operating temperature
0 °C to 45 °C (32 °F to 113 °F)

*1 The actual range will vary depending on factors such as obstacles between devices, magnetic fields around a microwave oven, static electricity, reception sensitivity, aerial's performance, operating system, software application, etc.

*2 Enhanced Data Rate

*3 *Bluetooth* standard profiles indicate the purpose of *Bluetooth* communication between devices.

*4 Codec: Audio signal compression and conversion format

*5 Subband Codec

Design and specifications are subject to change without notice.

http://www.sony.net/

Printed in Malaysia

4108812122 (1)